

SEQUENCE LISTING

SEQ ID NO:1

human IRAK-4 amino acid sequence

5 MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIIKPKSGDDRYNQFHIRR
EALLQTGKSPTSELLFDWGTTNCTAGDLVDLLIQNEFFAPASLLPDAVPKTANT
LPSKEAITVQQKQMPFCDKDRTLMPVQNLEQSYPDPSSPENKSLEVSDTRFH
SFSFYELKNVTNNFDERPISVGGNMGEGGFGVYKGYVNNTTVAVKLLAAMV
DITTEELKQQFDQEIKVMAKCQHENLVELLGFSSDGDDLCLVYVYMPNGSLLDR
10 LSCLDGTPPLSWHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISD
FGLARASEKFAQTVMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVVLLIEITGLPA
VDEHREPQLLDIKEEIEDEEKTIEDYIDKKMNDADSTSVEAMYSVASQCLHEKK
NKRDPDIKKVQQQLQEMTAS

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SEQ ID NO:2

human IRAK-4 cDNA sequence

ATGAACAAACCCATAACACCATCAACATATGTGCGCTGCCCTAACATGTTGGACT
20 AATTAGGAAGCTGTCAGATTTATTGATCCTCAAGAAGGATGGAAGAAGTTA
GCTGTAGCTATTAAAAAACATCTGGTGATGATAGATACAATCAGTTCACAT
AAGGAGATTGAAAGCATTACTTCAAACCTGGAAAAAGTCCCACCTCTGAATT
CTGTTGACTGGGCACCACAAATTGACAGCTGGTGATCTTGTGGATCTTT
GATCCAAAATGAATTGGCTCCTGCGAGTCCTTGCTCCAGATGCTGTTCC
25 CAAAACGTCTAACACTACCTCTAAAGAACGCTATAACAGTTCTAGCAAAAA
CAGATGCCCTTCTGTGACAAAGACAGGACATTGATGACACCTGTGCGAACATC
TTGAACAAAGCTATATGCCACCTGACTCCTCAAGTCCAGAAAATAAAAGTT
AGAAGTTAGTGATACACGTTTCACAGTTTCATTGATTAAGAAGAATG
TCACAAATAACTTGTGACCGACCCATTCTGTTGGTGTAAATAAAATGGGA
30 GAGGGAGGAGTTGGAGTTGTATATAAAGGCTACGTTAAATAACACAACTGTGG
CAGTGAAGAAGCTGTCAGCAATGGTTGACATTACTACTGAAGAACTGAAACA
GCAGTTGATCAAGAAATAAAAGTAATGGCAAAGTGTCAACATGAAAACCTTA
GTAGAACTACTTGGTTCTCAAGTGTGAGATGACCTCTGCTTAGTATATGT
TTACATGCCTAATGGTTCTAGACAGACTCTCTGCTTGGATGGTACTC

CAACACTTCTGGCACATGAGATGCAAGATTGCTCAGGGTGCAGCTAATGGC
ATCAATTCTACATGAAAATCATCATATTCTAGAGATATTAAAAGTC
TATCTTACTGGATGAAGCTTTACTGCTAAAATATCTGACTTGGCCTGCAC
GGGCTCTGAGAAGTTGCCAGACAGTCAGTCACTAGCAGAATTGGGAAC
5 AACAGCTTATATGGCACAGAACGTTGCGTGGAGAAATAACACCCAAATCT
GATATTACAGCTTGGTGTGGTTTACTAGAAATAAACTGGACTTCCAGC
TGTGGATGAACACCGTGAACCTCAGTTATTGCTAGATATTAAAGAAGAAATT
GAAGATGAAGAAAAGACAATTGAAGATTATATTGATAAAAAGATGAATGAT
GCTGATTCACCTCAGTTGAAGCTATGTAECTCTGCTAGTCATGTCTGCAT
10 GAAAAGAAAATAAGAGACCAGACATTAAGAAGGTCAACAGCTGCTGCAA
GAGATGACAGCTCTAA

SEQ ID NO:3

15 murine IRAK-4 amino acid sequence

MNKPLTPSTYIRNLNVGILRKLSDFIDPQEGWKKLAVAIIKKPSGDDRYNQFHIRRF
EALLQTGKSPTECELLFDWGTNTCTVGDLVDLLVQIELFAPATLLPDAVPQTVKS
LPPREAATVAQTHGPCQEKDRTSVMPMPKLEHSCEPPDSSSPDNRSESSDTRFH
20 SFSFHELKSITNNFDEQPASAGGNRMGEGGFGVYKGCVNNTIVAVKLGAMVE
ISTEELKQQFDQEIKVMATCQHENLVELLGFFSDSDNLCLVYAYMPNGSLLDRLS
CLDGTPPLSWHTRCKVAQGTANGIRFLHENHHIHRDIKSANILLDKDTAKISDFG
LARASARLAQTVMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVVLELITGLAAV
DENREPQLLDIKEEI^EDEEKTIEDYTDEKMSADPASVEAMYSAASQCLHEKKN
25 RRPDIAKVQQLQEMSA

SEQ ID NO:4

mouse IRAK-4 cDNA sequence

30 GCGGGCCGCTGACATGCCCGGTGACCCGCAGCATCCGATCGCAGGCAGT
CTGAAGTCGCTGGTGGCTCTCGCTCTCCACCCCGAGTCCTCGCCGGACGT
GGCGGGACGCCGATGCCCTGTCCAGGAAGCGAGGGACGTCCGAGAGGAAG
TAGAAAGATGAACAAAGCCGTGACACCATCGACATACATACGCAACCTTAATG
TGGGGATCCTAGGAAGCTGTCGGATTATTGATCCTCAAGAAGGGTGGAA

GAAATTAGCACTAGCTATCAAAAAGCCGTCCGGCAGCACAGATAACAATCAG
TTCCATATAAGGGAGATTCGAAGCCTTACTTCAGACCGGGAAAGAGCCCCACCT
GTGAACCTGCTGTTGACTGGGGCACACGAACACTGCACAGTTGGCGACCTTG
GATCTACTGGTCCAGATTGAGCTGTTGCCCGCACTCTCTGCTGCCGGA
5 TGCGCTCCCCAACCGTCAAAAGCCTGCCCTAGAGAAGCGGCAACAGTG
GCACAAACACACGGGCTTGTCAAGGAAAAGGACAGGACATCCGTAATGCC
TGCGGAAGCTAGAACACAGCTGCGAGCCACCGGACTCTCAAGCCCAGACAA
CAGAAGTGTAGAGTCCAGCAGACACTCGGTTCCACAGCTCTCGTTCCATGAAC
TGAAGAGCATCAAACAAACTCGACGAGCAACCCGCGTCTGCCGGTGGCAA
10 CCGGATGGGAGAGGGGGGATTGGAGTGGTGTACAAGGGCTGTGAACAAC
ACCATCGTGGCGGTGAAGAACAGCTCGAGCGATGGTTGAAATCAGTA
AACTAAAGCAACAGTTGATCAAGAAATTAAAGTAATGGCAACGTGTCAGCA
CGAGAACCTGGTGGAGCTGCTGGCTTCTCCAGCGACAGCGACAACCTGTG
TTAGTGTATGCTTACATGCCAACGGCTCTGCTGGACAGACTGTCTGCCT
15 GGATGGTACACCACCGCTTCTGGACACAAGGTGCAAGGGTGTCAAGGG
ACAGCAAATGGCATCAGGTTCTGCATGAAAATCATCACATTGATAGAGATA
TTAAAAGTGCACAAATATCTTACTAGACAAAGACTTACTGCCAAAATATCTG
TTGGGCTTGCACGGGCTTCGCAAGGCTAGCGCAGACGGTGTGACAGGCC
GAATCGTGGGCACAACGGCTTACATGGCACCCGAAGCTTGCAGGGAGAAAT
20 AACACCCAAATCTGACATCTACAGCTCGCGTGGTTCTGTTGGAGCTGATAA
CCGGGCTGGCGGTGTTGATGAAAACCGTGAACCTCAACTACTGCTGGATAT
TAAAGAAGAGATTGAAGATGAAGAGAAGACGATTGAAGATTACACGGATGA
GAAGATGAGCGATGCGGACCTGCTCGGTGGAAGCAATGTA
AGCCAGTGTCTGCATGAGAAGAAAAACAGACGCCAGACATTGCAAAGGTTC
25 AACAGCTGCTACAAGAGATGCTGCTTAA

SEQ ID NO:5

Sense primer for amplification of human IRAK-4

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ATGAACAAACCCATAACACCATCAACATATGTGC

SEQ ID NO:6

Antisense primer for amplification of human IRAK-4

TTAAGAACGCTGTCATCTCTTGAGC

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